

# Superfund Migration of Contaminated Ground Water Under Control Worksheet

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: **MARION (BRAGG) DUMP**

EPA ID: **IND980794366**

GW Survey Status: **Contaminated Ground Water Migration Under Control**

Estimated Under Control Date (if not under control): **9/30/2025**

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:  
**RI/FS**

Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's investigation or remediation of ground water contamination in the past?

Answer: **Yes**

No

Stop, you do not need to complete the GM EI

Yes

Insufficient Data/No

Step 1. Based on the most current data on the site, has all available relevant/significant information on known and reasonably suspected releases to ground water been considered in this determination?

Answer: **Yes**

List Reference **RI/FS**  
Document(s):

EPA Region 5 Records Ctr.



375728

Yes

Insufficient Data/No

Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, or criteria) as a result of a release from the site?

Answer: **Yes**

List Reference **RI/FS**  
Document(s):

No

Contaminated Ground Water Migration Under Control

Yes

Insufficient Data/No

Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring locations designated at the time of this determination?

Answer: **Yes**

List Reference **RI/FS**  
Document(s):

No

Yes

Insufficient Data/No

Step 4. Does "contaminated" ground water discharge into surface water bodies?

Answer: **Yes**

List Reference  
Document(s):

No

Yes

Insufficient Data/No

Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be "currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and implemented)?

Answer: **Yes**

List Reference  
Document(s):

No

Yes

Insufficient Data/No

Step 6. Will ground water monitoring/measurement data ( and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water?

Answer: **Yes**

List Reference  
Document(s):

No

Yes

Insufficient Data to Determine Contaminated Ground Water Migration Under Control Status

Contaminated Ground Water Migration Under Control

Contaminated Ground Water Migration Not Under Control

Remedial Project Manager: **DAVID LINNEAR**

Date Completed

**3/28/07**

**4/11/07**

**sf 4/11/07**

**uym 3/28/07**

RIJN DATE: 10/30/08 14:06  
SOURCE: CERCLIS

# Superfund Migration of Contaminated Ground Water Under Control Worksheet

(05B7)  
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INTERNAL USE ONLY

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Region: 05 Section: Primary RPM: DAVID LINNEAR

Site Name: MARION (BRAGG) DUMP EPA ID: IND980794366

GW Survey Status: Contaminated Ground Water Migration Under Control

Justification Date: September 27, 1987 Justification Type: ROD

Estimated Under Control Date:

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

RI/FS

Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's investigation or remediation of ground water contamination in the past?

Answer: Yes

No → Stop, you do not need to complete the GM EI

Yes →

Step 1. Based on the most current data on the site, has all available relevant/significant information on known and reasonably suspected releases to ground water been considered in this determination?

Answer: Yes

SDMS/Control Number:

List Reference Document(s): RI/FS

Insufficient Data/No →

Yes →

Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, or criteria) as a result of a release from the site?

Answer: Yes

SDMS/Control Number:

List Reference Document(s): RI/FS

Insufficient Data/No →

No → Contaminated Ground Water Migration Under Control

Yes →

Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring locations designated at the time of this determination?

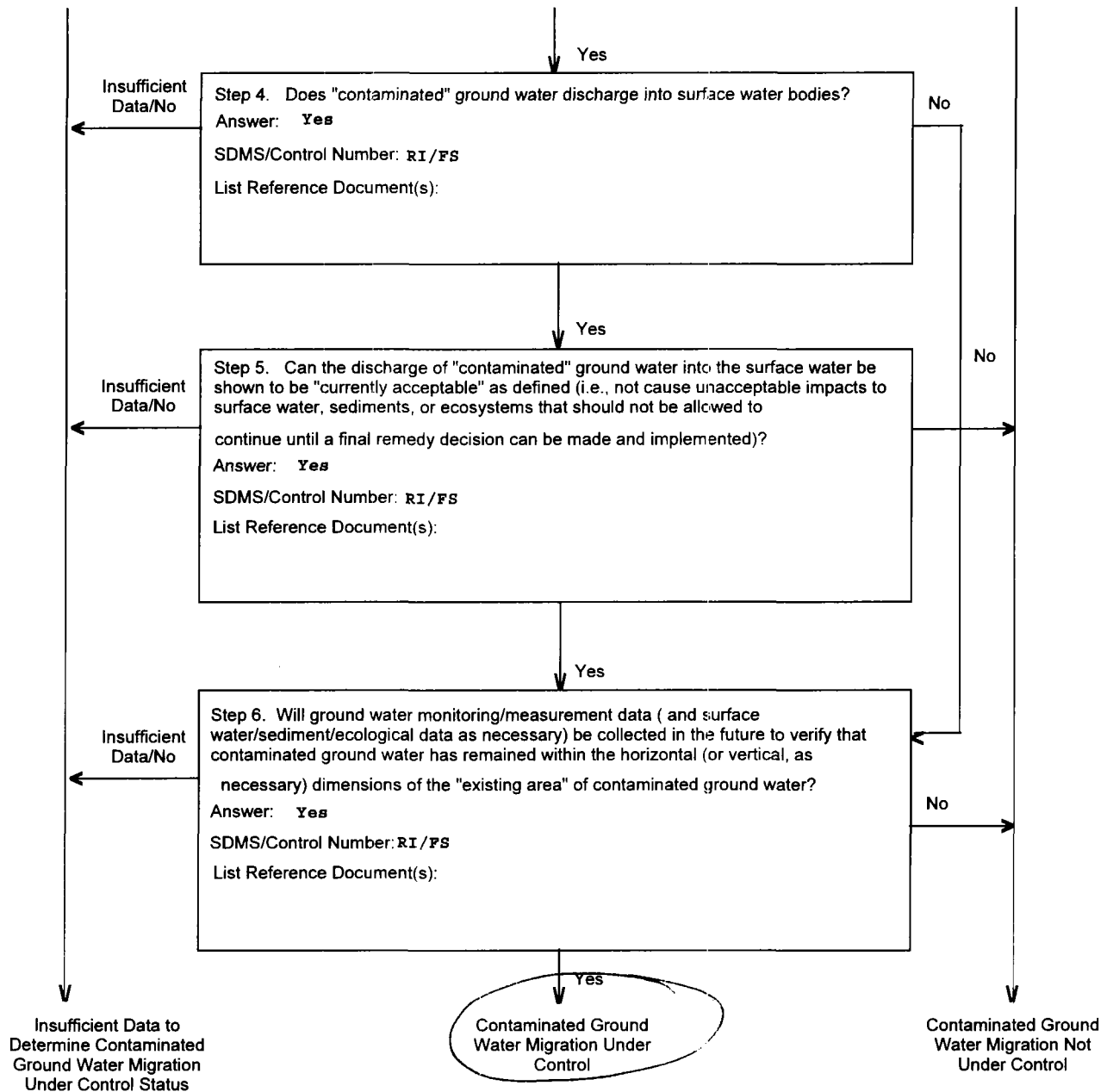
Answer: Yes

SDMS/Control Number:

List Reference Document(s): RI/FS

Insufficient Data/No →

No →



**Approvals (Initial and Date)**

RPM	Section Chief	Technical Review	Branch Chief	IMC	Data Entry
DC 1/9/2009	MD 1/9/09	JT 2/9/09			SG. 5/22/09

**Superfund Environmental Indicators Survey**  
**Long-Term Human Health Protection & Groundwater Migration Under Control**

**Step 1. Site Information**

Region:

State:

EPA ID:

Site Name:

Construction Complete:

5  
IN  
IND 980794366  
Marion (Bugs) Dump  
☒ Yes ☐ No

**Step 2. Long-Term Human Health Protection**

Are all identified human exposure pathways from contamination at the site under control or below health-based levels for current land and/or groundwater use conditions? "Under control" means that adequately protective controls are in place to prevent any unacceptable human exposure under current land- and groundwater- use conditions only. This environmental indicator does not consider potential future land- or groundwater- use conditions nor ecological receptors.

☐ Insufficient data to determine HE

☐ Current exposures not controlled

☐ Current exposures not controlled but some human exposures control achieved

☐ Current exposures controlled

☒ Current exposures controlled and protective remedy in place

☐ Long-term human health protection achieved

**Step 3. Contaminated Groundwater Migration Under Control**

Does the site have contaminated groundwater? (In the universe of 1180 groundwater sites identified as of EOY 2000).

☒ Yes

☐ No (Go to Step 4)

Is the migration of contaminated groundwater from the site being controlled through engineered remedies or natural processes?

☒ Yes

☐ No

☐ Insufficient Data

**Step 4. Regional Contact Information**

Completed by :

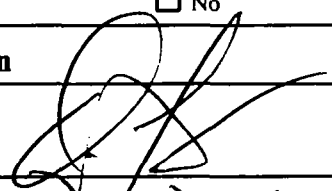
(signature)

(print)

(title)

(phone)

Date

  
DAVID L. WINICK  
RPM  
86 1841  
9/22/05

Supervisor:


(signature)

(print)

(title)

(phone)

Date

  
Matthew J. Markowski  
Section Chief  
312 886-1842  
9/22/05

Region: 5  
State: IN  
EPA ID: IND980794366  
Site Name: NATIONAL BRASS DUMP  
Estimated Control Date: \_\_\_\_\_

### Superfund Long-Term Human Health Protection Worksheet

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Step 1. Is enough information available to evaluate the status of human exposure control using this indicator?  
List Reference Document(s) and SDMS Number(s): RI/FS  
Yes

No → Insufficient Data to Determine Human Exposure Control Status

Yes → Step 2. Have all human exposure-related cleanup goals been met for the entire site?  
List Reference Document(s) and SDMS Number(s): \_\_\_\_\_  
No

Yes → Long-Term Human Health Protection Achieved

No → Step 3. Are there complete human exposure pathways between contaminated groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions?  
List Reference Document(s) and SDMS Number(s): RI/FS  
Yes

No → Skip to Step 6

Yes → Step 4. Are the potential human exposures associated with complete pathways within acceptable limits under current conditions?  
List Reference Document(s) and SDMS Number(s): RI/FS  
No

Yes → Step 5. Have any actions been taken since EPA first exercised removal or remedial authority at the site that have significantly reduced the level of previously unacceptable human exposure under current conditions?  
List Reference Document(s) and SDMS Number(s): \_\_\_\_\_  
No → Current Human Exposures Not Controlled

Yes → Current Human Exposures Not Controlled But Some Exposure Control Achieved

No → Step 6. Is the site Construction Complete, is the remedy operating as intended, and are engineering and institutional controls, if required, in place and effective?  
List Reference Document(s) and SDMS Number(s): RI/FS  
Yes → Current Human Exposure Controlled and Protective Remedy in Place

Region:  
State:  
EPA ID:  
Site Name:

Estimated Control Date: \_\_\_\_\_

### Superfund Migration of Contaminated Ground Water Under Control Worksheet

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's investigation or remediation of ground water contamination in the past?

No → Stop, you do not need to complete the GM EI

Yes →

Insufficient Data/No → Step 1. Based on the most current data on the site, has all available relevant/significant information on known and reasonably suspected releases to ground water been considered in this determination?

List Reference Document(s): RIFES

Yes →

Insufficient Data → Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, or criteria) as a result of a release from the site?

List Reference Document(s): RIFES

Yes →

Insufficient Data → Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring locations designated at the time of this determination?

List Reference Document(s): RIFES

Yes →

Insufficient Data → Step 4. Does "contaminated" ground water discharge into surface water bodies?

List Reference Document(s): RIFES

Yes →

Insufficient Data → Step 5. Can the discharge of "contaminated" ground water into surface water be shown to be "currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and implemented)?

List Reference Document(s): RIFES

Yes →

Insufficient Data → Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water?

List Reference Document(s): RIFES

Yes → Contaminated Ground Water Migration Under Control

No → Contaminated Ground Water Migration Not Under Control

Insufficient Data to Determine Contaminated Ground Water Migration Under Control Status

llc  
2/23/05

**Superfund Environmental Indicators Survey**  
**Human Exposure Under Control & Groundwater Migration Under Control**

**Step 1. Site Information**

Region: 5  
State: IN  
EPA ID: IND980794366  
Site Name: MARION (BRAGG) DUMP  
Construction Complete: ☒ Yes ☐ No

**Step 2. Human Exposure Under Control**

Are all identified human exposure pathways from contamination at the site under control or below health-based levels for current land and/or groundwater use conditions? "Under control" means that adequately protective controls are in place to prevent any unacceptable human exposure under current land- and groundwater- use conditions only. This environmental indicator does not consider potential future land- or groundwater- use conditions nor ecological receptors.

☒ Yes

☐ No

☐ Insufficient Data

**Step 3. Contaminated Groundwater Migration Under Control**

Does the site have contaminated groundwater? (In the universe of groundwater sites identified as of EOY 2000).

☒ Yes

☐ No (Go to Step 4)

Is the migration of contaminated groundwater from the site being controlled through engineered remedies or natural processes?

☒ Yes

☐ No

☐ Insufficient Data

**Step 4. Regional Contact Information**

Completed by :

(signature)

Bernard J. Schorle

(print)

BERNARD J. SCHORLE

(title)

Remedial Project Manager

(phone)

312-886-4746

Date

1/8/01

Supervisor:

(signature)

Lawrence J. Schmitt (Tom Short)

(print)

Lawrence J. Schmitt

(title)

Section Chief

(phone)

312/353-6560

Date

1/10/01

Rec'd  
06/13/03  
JF

# Superfund Human Exposures Controlled Worksheet

Are all identified human exposure pathways from contamination at the site under control or below health-based levels for current land and/or groundwater use conditions? "Under control" means that adequately protective controls are in place to prevent any unacceptable human exposure under current land- and groundwater- use conditions only. This environmental indicator does not consider potential future land- or groundwater- use conditions nor ecological receptors.

Region: 5  
State: IN  
EPA ID: IND 980994366  
Site Name: MARION (BRAGG) DUMP

No/ Insufficient data

Step 1. Based on the most current data for the site, has all available relevant/significant information on known contaminants to soil, groundwater, surface water/sediments, and air at the NPL site been considered in this EI determination?

List site reference document: FIVE-YEAR REVIEW REPORT 9/28/00

Yes

Step 2. Are groundwater, soil, surface water, sediments, or air media known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) from known contaminants?

List site reference document: RECORD OF DECISION 9/30/99

Yes

Step 3. Are there complete pathways between "contamination" and human receptors such that exposures can be reasonably expected under the current (land- and groundwater-use) conditions?

List site reference document: RECORD OF DECISION 9/30/99

No

Yes

Step 4. Are the potential exposures from Step 3 within acceptable limits under current (land and groundwater use) conditions (e.g., within the cancer risk range or HI  $\leq 1$ )?

List site reference document: \_\_\_\_\_

No

Yes

INSUFFICIENT DATA,  
More information needed  
to make determination

NO, Site Does Not Meet Definition

YES, Site Does  
Meet Definition



# Superfund Groundwater Releases Controlled Worksheet

**Definition:** Is the migration of contaminated groundwater from the site being controlled through engineered or natural processes?

Region: 5  
State: IN  
EPA ID: IND 980994366  
Site Name: MARION BRAGG

No/ Insufficient data

Step 1. Based on the most current data on the site, has all available relevant/significant information on known and reasonably suspected releases to the groundwater been considered in this EI determination?  
List site reference document: FIVE-YEAR REVIEW REPORT 9/28/00  
Yes

Step 2. Is groundwater known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) anywhere at, or from, the facility?  
List site reference document: RECORD OF DECISION 9/30/99  
Yes

Step 3. Is the migration of contaminated groundwater stabilized (such that contaminated groundwater is expected to remain within "existing area of contaminated groundwater" as defined by the monitoring locations designated at the time of this determination)?  
List site reference document: RECORD OF DECISION 9/30/99  
Yes

Step 4. Does "contaminated" groundwater discharge into surface water bodies?  
List site reference document: RECORD OF DECISION 9/30/99  
Yes

Step 5. Can the discharge of "contaminated" groundwater into surface water be shown to be "currently acceptable" (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and implemented)?  
List site reference document: FIVE-YEAR REVIEW REPORT 9/28/00  
Yes

Step 6. Will groundwater monitoring/measurement data (and surface water/sediment/ecological data, as necessary) be collected in the future to verify that contaminated groundwater has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area of contaminated groundwater"?  
List site reference document: FIVE-YEAR REVIEW REPORT 9/28/00  
Yes

INSUFFICIENT DATA,  
More information needed  
to make determination

YES, Site Does Meet Definition

NO, Site Does Not Meet Definition

# Superfund Environmental Indicators Survey

## Human Exposure Under Control & Groundwater Migration Under Control

### Step 1. Site Information

Region: 5  
State: IN  
EPA ID: IND980794366  
Site Name: MARION (BRAGG) DUMP  
Construction Complete: ☒ Yes ☐ No

### Step 2. Human Exposure Under Control

Are all identified human exposure pathways from contamination at the site under control or below health-based levels for current land and/or groundwater use conditions? "Under control" means that adequately protective controls are in place to prevent any unacceptable human exposure under current land- and groundwater- use conditions only. This environmental indicator does not consider potential future land- or groundwater- use conditions nor ecological receptors.

☒ Yes

☐ No

☐ Insufficient Data

### Step 3. Contaminated Groundwater Migration Under Control

Does the site have contaminated groundwater? (In the universe of groundwater sites identified as of EOY 2000).

☒ Yes

☐ No (Go to Step 4)

Is the migration of contaminated groundwater from the site being controlled through engineered remedies or natural processes?

☒ Yes

☐ No

☐ Insufficient Data

### Step 4. Regional Contact Information

Completed by :

(signature)

Bernard J. Schorle

(print)

BERNARD J. SCHORLE

(title)

Remedial Project Manager

(phone)

312-886-4746

Date

1/8/01

Supervisor:

(signature)

Lawrence J. Schmitt

(print)

Lawrence J. Schmitt

(title)

Section Chief

(phone)

312/353-6560

Date

1/10/01

# Superfund Human Exposures Controlled Worksheet

Are all identified human exposure pathways from contamination at the site under control or below health-based levels for current land and/or groundwater use conditions? "Under control" means that adequately protective controls are in place to prevent any unacceptable human exposure under current land- and groundwater- use conditions only. This environmental indicator does not consider potential future land- or groundwater- use conditions nor ecological receptors.

Region: 5  
State: IN  
EPA ID: IND 980794366  
Site Name: MARION (BRAGG) DUMP

**No/ Insufficient data**

Step 1. Based on the most current data for the site, has all available relevant/significant information on known contaminants to soil, groundwater, surface water/sediments, and air at the NPL site been considered in this EI determination?

List site reference document: FIVE-YEAR REVIEW REPORT 9/28/00

Yes

Step 2. Are groundwater, soil, surface water, sediments, or air media known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) from known contaminants?

List site reference document: RECORD OF DECISION 9/30/99

Yes

Step 3. Are there complete pathways between "contamination" and human receptors such that exposures can be reasonably expected under the current (land- and groundwater-use) conditions?

List site reference document: RECORD OF DECISION 9/30/99

No

Yes

Step 4. Are the potential exposures from Step 3 within acceptable limits under current (land and groundwater use) conditions (e.g., within the cancer risk range or HI  $\leq 1$ )?

List site reference document: \_\_\_\_\_

No

Yes

**INSUFFICIENT DATA,**  
More information needed  
to make determination

**NO, Site Does Not Meet Definition**

**YES, Site Does Meet Definition**

# Superfund Groundwater Releases Controlled Worksheet

**Definition:** Is the migration of contaminated groundwater from the site being controlled through engineered or natural processes?

Region: 5

State: IN

EPA ID: IND 104366

Site Name: MARION BRAGE

No/ Insufficient data

Step 1. Based on the most current data on the site, has all available relevant/significant information on known and reasonably suspected releases to the groundwater been considered in this EI determination?  
List site reference document: FIVE-YEAR REVIEW REPORT 9/28/00

Yes

Step 2. Is groundwater known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) anywhere at, or from, the facility?  
List site reference document: RECORD OF DECISION 9/30/99

NO, Site meets definition

Yes

Step 3. Is the migration of contaminated groundwater stabilized (such that contaminated groundwater is expected to remain within "existing area of contaminated groundwater" as defined by the monitoring locations designated at the time of this determination)?  
List site reference document: RECORD OF DECISION 9/30/99

No

Yes

Step 4. Does "contaminated" groundwater discharge into surface water bodies?  
List site reference document: RECORD OF DECISION 9/30/99

No

Yes

Step 5. Can the discharge of "contaminated" groundwater into surface water be shown to be "currently acceptable" (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and implemented)?  
List site reference document: FIVE-YEAR REVIEW REPORT 9/28/00

No

Yes

Step 6. Will groundwater monitoring/measurement data (and surface water/sediment/ecological data, as necessary) be collected in the future to verify that contaminated groundwater has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area of contaminated groundwater"?  
List site reference document: FIVE-YEAR REVIEW REPORT 9/28/00

No

Yes

INSUFFICIENT DATA,  
More information needed  
to make determination

YES, Site Does Meet Definition

NO, Site Does Not Meet Definition